



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/777,562	02/12/2004	Donald R. Loveday	1999U027.RE.US	1101

7590 11/28/2007
Univation Technologies LLC
Suite 1950
5555 San Felipe
Houston, TX 77056

EXAMINER

CHEUNG, WILLIAM K

ART UNIT	PAPER NUMBER
----------	--------------

1796

MAIL DATE	DELIVERY MODE
-----------	---------------

11/28/2007

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/777,562	Applicant(s) LOVEDAY ET AL.
	Examiner William K. Cheung	Art Unit 1796

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 10/12/07.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1,5-8,10-15 and 46 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,5-8,10-15 and 46 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Request for Continued Examination

1. The request filed on October 12, 2007 for a Request for Continued Examination (RCE) under 37 CFR 1.53(d) based on parent Application No. 10/777,562 is acceptable and a RCE has been established. An action on the RCE follows.
2. The examiner acknowledges the receipt of the amendment filed October 12, 2007. Claims 2-4, 9, 16-45 have been cancelled, and new claim 46 has been added. Claims 1, 5-8, 10-15, 46 are pending.
3. In view of the amendment filed October 12, 2007, the rejection of claims 1-15 under 35 U.S.C. 251 as being broadened in a reissue application filed outside the two year statutory period, is withdrawn.
4. In view of the amendment filed October 12, 2007, the rejection of claims 1-15 under 35 U.S.C. 251 as being improperly broadened in a reissue application made and sworn to by the assignee and not the patentee, is withdrawn.

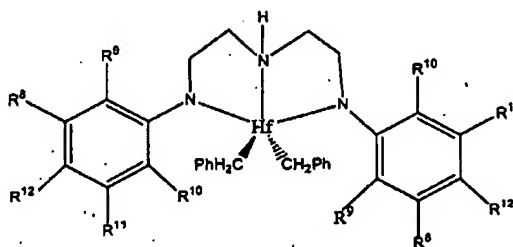
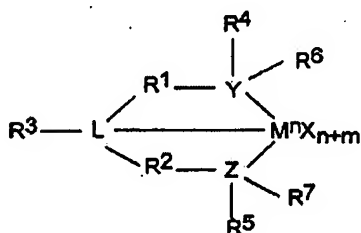
Claim Rejections - 35 USC § 112

5. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

6. Claims 1, 5-8, 10-15, 46 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 (line 12), claim 46 (line 3), the recited chemical structure are considered indefinite. How can the recited "L element" possesses four bonds when Y and Z possess only three bonds. As recited in claim 1, L, Y, and Z is a Group 15 element. Is there any thing missing, a charge maybe?



Claim Rejections - 35 USC § 102

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S. patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

8. Claims 1, 5-8, 10-15, 46 are rejected under 35 U.S.C. 102(b) as being anticipated by Sugimura et al. (JP 10-330412), English translated.

Sugimura et al. (page 4, claim 1) disclose a catalyst substantially identical to the catalyst as claimed. Further, Sugimura et al. (page 66, 0199) disclose a polymerization process comprising olefins and the catalyst described. Sugimura et al. (page 66, 0200) disclose that the polymerization process is a solution or suspension polymerization process. Since Sugimura et al. contain all the features of claims 1, 5-8, 10-15, 46, claims 1, 5-8, 10-15, 46 are anticipated. In view of the 112 rejection set forth, the instant rejection is proper.

9. Claims 1, 5-8, 10-15, 46 are rejected under 35 U.S.C. 102(b) as being anticipated by Sugimura et al. (JP 10-330416).

Sugimura et al. (page 9, 0067) disclose a catalyst substantially identical to the catalyst as claimed. Further, Sugimura et al. (page 28, 0172) disclose that the polymerization process is a solution or suspension polymerization process. Since Sugimura et al. contain all the features of claims 1-15, claims 1-15 are anticipated. In view of the 112 rejection set forth, the instant rejection is proper.

10. Claims 1, 5-8, 10-15, 46 are rejected under 35 U.S.C. 102(b) as being anticipated by Imuta et al. (WO 98/34961).

Imuta et al. (abstract) disclose an olefin polymerization process comprising a catalyst that is substantially identical to the catalyst as claimed. Further, Imuta et al. (abstract) disclose that the polymerization process is a slurry process with aliphatic or alicyclic hydrocarbon. Since Imuta et al. contain all the features of claims 1, 5-8, 10-15, 46, claims 1, 5-8, 10-15, 46 are anticipated. In view of the 112 rejection set forth, the instant rejection is proper.

11. Claims 1, 5-8, 10-15, 46 are rejected under 35 U.S.C. 102(e) as being anticipated by Imuta et al. (US 6,255,419).

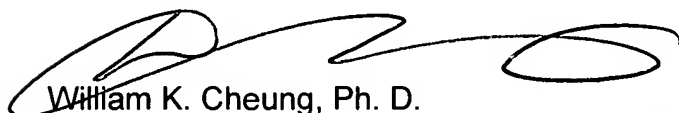
Imuta et al. (abstract) disclose an olefin polymerization process comprising a catalyst that is substantially identical to the catalyst as claimed. Further, Imuta et al. (col. 80, line 27-32) disclose that the polymerization process is either a liquid phase polymerization process including solution polymerization and suspension polymerization, or gas phase polymerization. Since Imuta et al. contain all the features of claims 1, 5-8, 10-15, 46, claims 1, 5-8, 10-15, 46 are anticipated. In view of the 112 rejection set forth, the instant rejection is proper.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to William K. Cheung whose telephone number is (571) 272-1097. The examiner can normally be reached on Monday-Friday 9:00AM to 2:00PM; 4:00PM to 8:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David WU can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



William K. Cheung, Ph. D.

Primary Patent Examiner

WILLIAM K. CHEUNG
PRIMARY EXAMINER

November 23, 2007